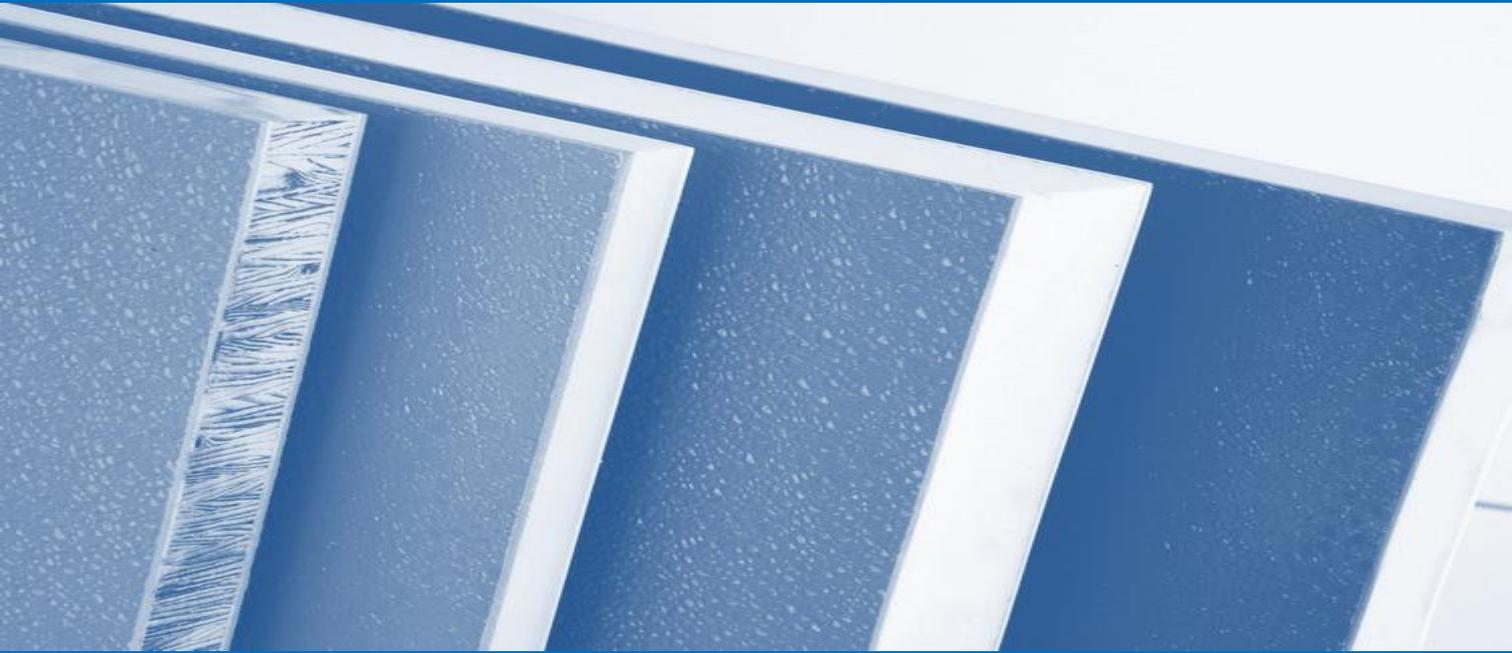


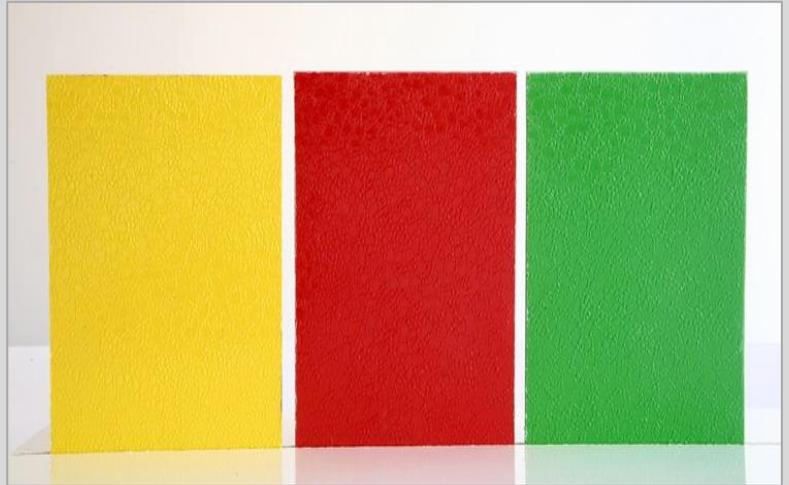
# Captrad GRP Composite Panels



**GRP Flat Sheets**  
**GRP Sandwich Panels**

# GRP Solid/Composite Panels

Glass Reinforced Polyester (GRP) is an incredibly versatile product used in many applications where conventional materials cannot meet required specifications and standards such as fire ratings, impact resistance and weight considerations.



GRP panels are immensely strong and durable (will not dent, rust or corrode) whilst maintaining an attractive appearance, and can be produced to incorporate the following features:

- Any BS or RAL Colour
- High Impact Resistant
- Low Maintenance
- Colour Match Service
- Graffiti Resistant
- U.V. Resistant

Manufactured to any size/thickness

Captrad GRP Composite panels are manufactured by press bonding GRP Sheets onto a range of core materials to produce an attractive, yet functional, cladding / infill solution for a wide variety of new build and refurbishment applications.

Panels are tailor made to suit individual customer requirements, and combinations of thickness, colour and surface texture can be incorporated to provide a wide choice of design configurations

# GRP Composite Panels

GRP Sandwich Panels are manufactured by press bonding GRP Sheets onto a range of core materials to produce an attractive, yet functional, cladding / infill solution for a wide variety of new build and refurbishment applications.

Specialist high performance adhesive systems are used to create a structural bond between the GRP skins and core material to ensure against potential failure and de-lamination.

Panels are tailor made to suit individual customer requirements , and combinations of thickness, colour and surface texture can be incorporated to provide a wide choice of design configurations.

Depending upon what core material you choose will depend upon what U Value can be achieved, we can achieve 0.35W/m2K

## Core Materials

Styrofoam	Door Blanks
Phenolic	Polyurethane
Polyisocyanurate	Balsa Wood
WBP Plywood	M.D.F

## Markets

Schools / Education	Industrial
Rail/Underground	Off Shore
Marine	Construction
Chemical Plant	Water Industry



# GRP Flat Sheets - Technical Details

## **FIRE RESISTANCE**

Products can be manufactured to either:

1. General purpose (GP) grade (all products)
2. BS 476 Part 7 Class 1 (all products)
3. BS 476 Part 6 Class 'O' (all products)
4. BS 476 Part 7 Class 2 (all products)

## **THERMAL CO-EFFICIENT OF EXPANSION**

$30 \times 10^{-6}$  /Deg C FACT: Compared with many other plastics GRP has minimal expansion and contraction characteristics and will not bow and warp in extremes of temperature.

## **COLOUR RANGE**

Panels can be manufactured to the following:

B.S. 4800 Colour Range B.S. 5252 Colour Range RAL Colour Range.

A colour match service is also available.

## **FLEXURAL STRENGTH**

193 MPa

FACT: Flexural strength can be enhanced by the addition of woven reinforcement if required.

## **SIZE & THICKNESS**

Panels can be manufactured to any length but with a width restriction of 1525mm. Standard product range can be manufactured to literally any thickness from 2mm upward.

## **TENSILE STRENGTH**

123MPa

## **TENSILE MODULUS**

7.1 GPa

GRP sheet is up to seven times stronger than mild steel on a weight for weight basis.

## **THERMAL CONDUCTIVITY**

0.2 w/mK

## **LOGISTICS**

Panels are usually supplied on pallets and can be delivered anywhere in the UK within approximately 7-10 working days under normal circumstances. Each panel can be marked with a location code and panel size on the protective covering of the goods if required.

# Captrad GRP Sheets

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